BEFORE USING THE APPLIANCE

To make the most out of your new appliance, please read the user instructions carefully and keep them handy for future consultation.

Before using the appliance please follow and set according to the below indications:
Remote Control (RC) presetting:
Each time the batteries are replaced in the remote control, the RC is pre-set on Heat pump.
If the air conditioner that you purchased is a cooling only, then the pre-set on Heat pump will not bring any changes.

Auto-Restart presetting Function:
To set the auto-restart function, press the Emergency button (ON/OFF) on the indoor unit for at least 5 seconds
A buzz sound will signal that the auto-restart function is set and the air conditioner is in standby.
To cancel the auto-restart function, repeat the above steps.

SAFETY PRECAUTIONS

- Do not install the appliance if it is connected to the power supply.
- The Installation and service/repair must be performed by a qualified technician, in compliance with the producer's instructions and following local safety norms. Do not repair or replace any parts of the appliance unless it is specifically written in the user instructions.
- The grounding of this appliance is compulsory.
- Make sure that the power supply cord is long enough to allow the right connection. Do not use any extension cord for power supply.
- Do not pull the power supply cord to remove it from the socket.
- Do not twist or press the power supply cord, and make sure it is not broken.
- Once installation is completed, the electric components must not be accessible to the users.
- Do not touch the operation buttons when your hands are wet and don't use the appliance when you are barefoot.
- Physically or mentally disabled people, children and people without any experience with the product are only allowed to use the appliance if they have had specific training on how to operate the appliance by a person responsible for their security and well-being. The appliance is not intended for use by disabled people and very young children without supervision.

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AIR CONDITIONER PRECAUTIONS

Please strictly follow the below instructions:

- Long and direct exposure to cool air might be harmful to health. It is advisable to set the louvers in order to avoid direct cool air and deflect it within the room.
- Prevent the air flow from reaching the gas burners and stoves.
- Upon malfunctioning first turn the appliance off by pressing the ON/OFF button on the remote control, then disconnect it from the mains.
- Do not place any objects on the outdoor unit.
- This product contains Fluorinated Greenhouse Gases covered by the Kyoto Protocol, the refrigerant gas being in a hermetically sealed system. Refrigerant gas: R410a has a GlobalWarming Potential (GWP) 1975.

SAFEGUARDING THE ENVIRONMENT

- This appliance has been made of recyclable or re-usable material. Scrapping must be carried out in compliance with local waste disposal regulations. Before scrapping it, make sure to cut off the mains cord so that the appliance cannot be re-used.
- For more detailed information on handling and recycling of this product, contact your local authorities who deal with the separate collection of rubbish or the shop where you bought the appliance.

SCRAPPING OF PACKAGING

- The packaging can be 100% recycled as confirmed by the recycling symbol . The various parts of the packaging must not be dispersed in the environment, but must be scrapped in line with local authority regulations.

SCRAPPING OF APPLIANCE

- This appliance is marked according to the European Directive 2002/96/EC, Waste Electrical and Electronic Equipment (WEEE).
- By ensuring that this product is disposed of correctly, you will help to prevent potentially negative consequences for the environment and for human health.
- The symbol on the product or on the documents accompanying the product indicates that this appliance should not be treated as household waste, but must be given to the appropriate local gathering place where electric and electronic appliances are stored and recycled.

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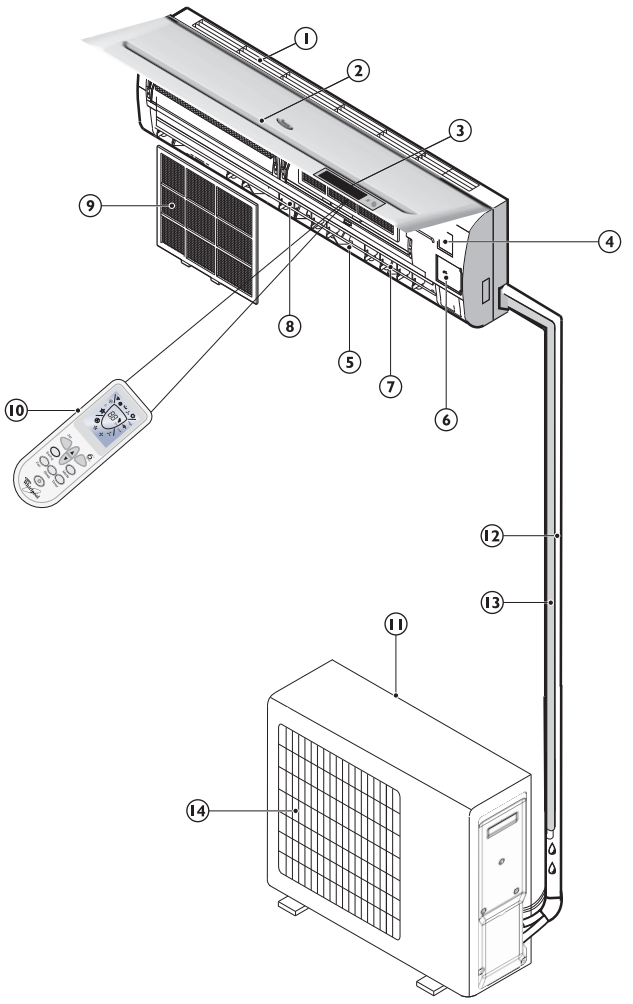
PRODUCT DESCRIPTION



Indoor unit

1. Air Intake
2. Front Panel
3. Display panel
4. Electrical box
5. Air Outlet
6. Filter monitor reset button
7. Vertical Adjustment Louver
8. Horizontal Adjustment Louver
9. Air Filter
10. Remote Control

Outdoor unit

11. Air Intake
12. Pipes and Power Connection Cord
13. Drain Hose
Note: Condensate water drains at COOLING or DRY operation.
14. Air Outlet

Images in the user instructions are based on external views of standard models, shape and design vary according to the model.

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CONTROL PANEL DISPLAY INDICATORS DESCRIPTION

Temperature indicator (1)
Displays set temperature.

Running indicator (2)
It lights up during operation.
It flashes during outside unit defrosting.

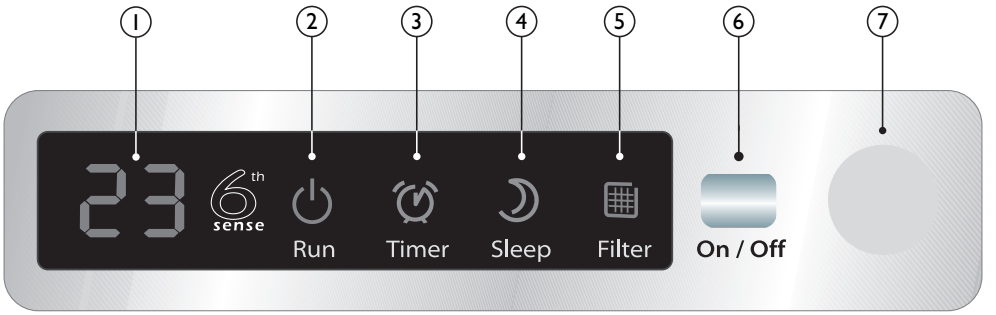
Timer indicator (3)
It lights up during the set time.
It goes off when timer operation ends.

Sleep indicator (4)
It lights up during sleep mode.

Filter monitor indicator (5)
Filter monitor indicator flashes after 240 hours of usage as reminder to clean the filter.
After filter cleaning press the reset button located on the indoor unit behind the front panel in order to interrupt the flashing of the filter monitor indicator.

Emergency ON/OFF button (6)
Used to control the unit by pressing the button, when the RC is out of work.
Used to set or cancel auto-restart function.

Signal Receptor (7)



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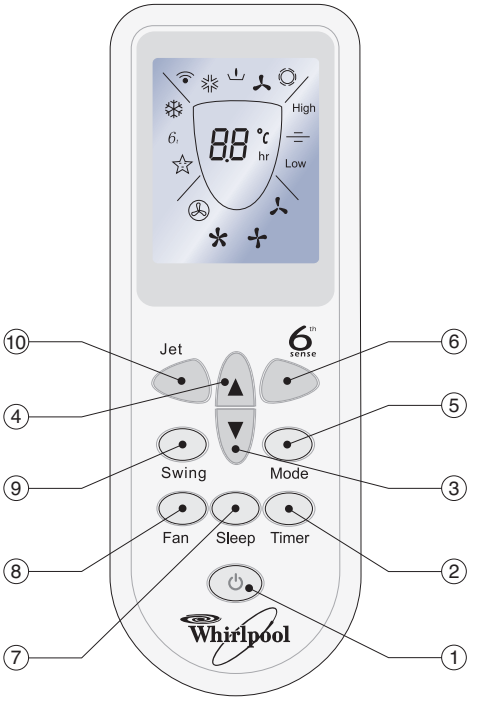
REMOTE CONTROL FUNCTIONS AND INDICATORS

1. **ON/OFF BUTTON**
   Starts and/or Stops the appliance by pressing this button.
2. **TIMER BUTTON**
   Sets or cancels the timer operation.
3-4. **ROOM TEMPERATURE SETTING BUTTONS**
   Used to select the room temperature. Used to set time in timer mode.
5. **MODE BUTTON**
   Used to select the operation mode.
6. **6th sense BUTTON**
   Used to set or cancel 6th sense operation, also during stand-by.
7. **SLEEP BUTTON**
   Used to set or cancel Sleep Mode operation.
8. **FAN BUTTON**
   Used to select fan speed in sequence auto, high, medium or low.
9. **SWING BUTTON**
   Used to stop or start vertical adjustment louver swinging and set the desired up/down airflow direction.
10. **JET BUTTON**
    Used to start or stop the fast cooling. (Fast cooling operates at high fan speed with 18°C set temp. automatically).



INDICATOR SYMBOLS ON RC DISPLAY

- Cooling indicator
- Dry indicator
- Fan only indicator
- Heating indicator
- Auto fan speed
- High fan speed
- Medium fan speed
- Low fan speed
- 6th sense indicator
- Sleep indicator
- Jet indicator
- Signal transmission
- Display set temperature / Display set timer
- Adjust Temperature (±2°C) indicator in 6th sense mode

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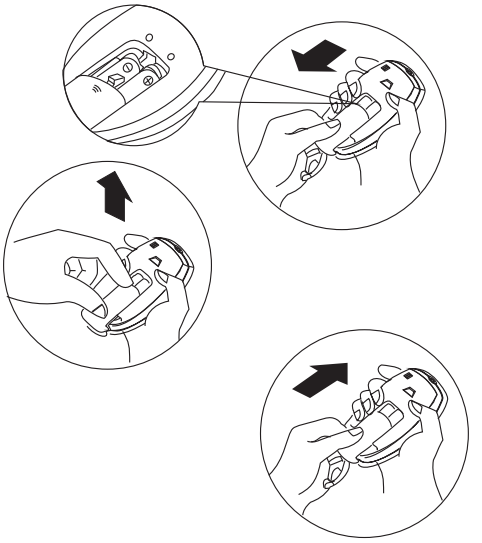
STORAGE AND TIPS FOR USING THE RC

How to insert the batteries
Remove the battery cover in the direction of the arrow.
Insert new batteries making sure that the (+) and (-) of battery are matched correctly.
Refit the cover by sliding it back into position.

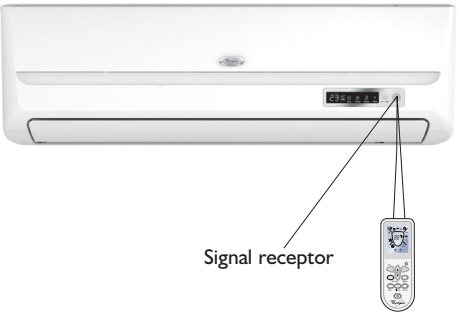


Note:
- Use 2 LR03 AAA (1.5volt) batteries. Do not use rechargeable batteries.
  Replace batteries with new ones of the same type when the display becomes dim.
- If the replacement is done within 1 minute, the remote control will keep original presetting. However, if you replace batteries taking more than 3 minutes, all presetting will be cancelled and timer will display Zero.

How to remove the batteries
Remove the battery cover in the direction of the arrow.
Press the positive pole of the battery softly with your fingers, then draw the batteries out of the compartment.
All this should be done by adults, children are forbidden to remove the batteries from the remote control in order to avoid danger of swallow.

Disposal of the batteries
Please discard the batteries as sorted municipal waste at the accessible collection point.

To operate the air conditioner, point the remote control at the signal receptor.
The remote control will operate the air conditioner at a distance of up to 7m.



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OPERATING MODE DESCRIPTION

Operation Modes:

1. Selecting mode
Each time **MODE** button is pressed, the operation mode is changed in sequence:
COOLING → DRY → FAN ONLY → HEATING
Heating mode is not available for cooling only air conditioners.

2. FAN mode
Each time the "FAN" button is pressed, the fan speed is changed in sequence:
Auto → High → Medium → Low
At "FAN ONLY" mode, only "High","Medium" and "Low" are available.
At "DRY" mode, Fan speed is set at "Low" automatically, "FAN" button is ineffective in this case.

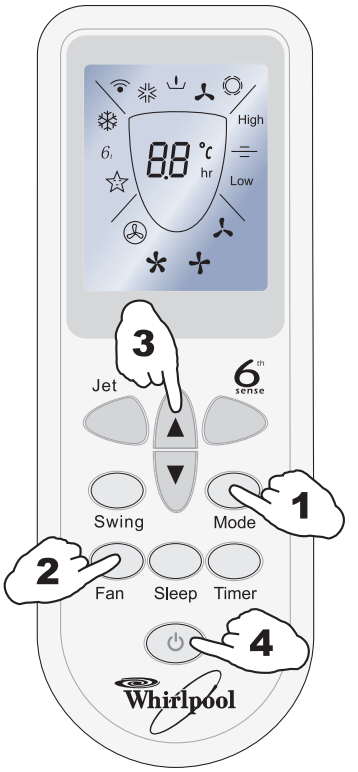
3. Setting temperature
Press once to **raise** temperature setting by 1 raise °C
Press once to **lower** temperature setting by 1 lower °C

Range of available set temperature	
*HEATING, COOLING	18°C~32°C
DRY	unable to set
FAN ONLY	unable to set

***Note: Heating mode is NOT available for cooling only models.**

4. Turning on
Press ⏻ button, when the appliance receives the signal, the RUNNING indicator of the indoor unit lights up.

During mode changes wait a few seconds and repeat the operation if the unit does not respond at once.
When selection the heating operation, air flow will start after 2-5 minutes.



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AIRFLOW DIRECTION CONTROL

5. Airflow direction control
Vertical airflow is automatically adjusted to a certain angle in accordance with the operation mode after turning on the unit.
The direction of airflow can be also adjusted to your own requirement by pressing the "SWING" button of the remote control.

Operation mode	Direction of airflow
COOLING, DRY	horizontal
*HEATING, FAN ONLY	downward

*Heating mode is only available for heat pump models.

Vertical airflow control (using the remote control)
Use the remote control to set the flow angles.

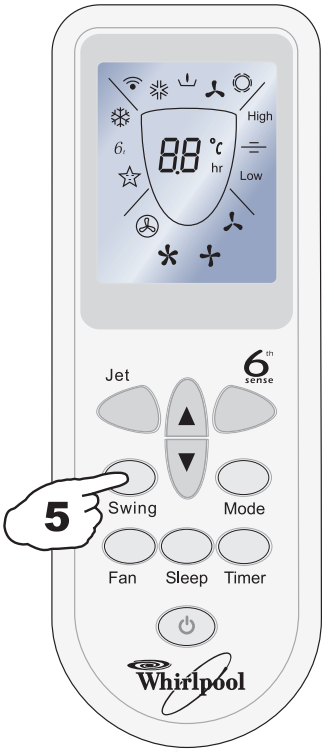
Swinging airflow
Pressing "SWING" button once, the vertical adjustment louver will swing up and down automatically.

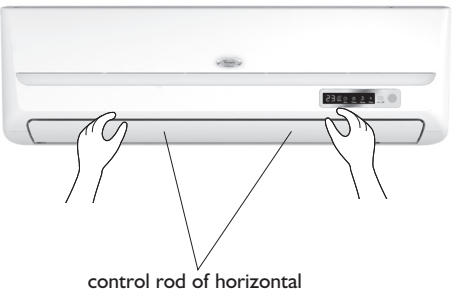
Desired direction airflow
Pressing the "SWING" button again when the louvers swing to a suitable angle as desired.

Horizontal airflow control (with hands)
Turn the control rods of the horizontal adjustment louvers to change horizontal air flow as shown.

Note: The shape of the unit may look different from that of the air conditioner you have selected.

A - Do not turn the vertical adjustment louvers manually, otherwise malfunction may occur. If that happens, turn off the unit first and cut off the power supply, then restore power supply again.
B - It is better not to let the vertical adjustment louver tilt downward for a long time at COOLING or DRY mode to prevent condensed water from dripping.





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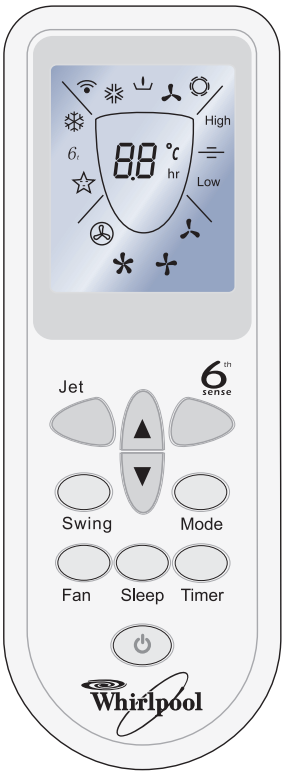
MODE AND FUNCTION DESCRIPTIONS

6th SENSE MODE

Press the 6th sense button, the unit enters 6th sense mode directly regardless of the unit is on or off. In this mode, temperature and fan speed are automatically set based on the actual room temperature.



Operation mode and temperature are determined by indoor temperature.

Heat pump models

Indoor temperature	Operation mode	Target temperature
21°C or below	HEATING	22°C
21°C-23°C	FAN ONLY	
23°C-26°C	DRY	Room temperature decrease 1.5°C after operating for 3 minutes
Over 26°C	COOLING	26°C

Cooling only models

Indoor temperature	Operation mode	Target temperature
26°C or below	DRY	Room temperature decrease 1.5°C after operating for 3 minutes
Over 26°C	COOLING	26°C

6th sense Button is ineffective in Jet mode.

Note: Temperature, airflow and direction are controlled automatically in 6th sense mode. However, a decrease or rise of up to 2°C can be set with the remote control if you still feel uncomfortable.

What you can do in 6th sense mode

Your feeling	button	adjustment procedure
Uncomfortable because of unsuitable air flow volume.	Fan	Indoor fan speed alternates among High, Medium and Low each time this button is pressed.
Uncomfortable because of unsuitable flow direction.	Swing	Press it once, the vertical adjustment louver swings to change vertical airflow direction. Press it again, swings stops. For horizontal airflow direction please refer to the chapter "Airflow direction control".

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SLEEP mode
SLEEP mode can be set in **COOLING** or **HEATING** operation mode.
This function gives you a more comfortable environment for sleep.
In **SLEEP** mode,

- The appliance will stop operation automatically after operating for 8 hours.
- Fan speed is automatically set at low speed.
- Set temperature will rise by max 1°C if the appliance operates in cooling mode for 2 hours.
- Set temperature will decrease by 3°C at most if the appliance operates in heating mode for 3 hours.

***Note:** In cooling mode, if room temperature is 26°C or above, set temperature will not change.
Note: Heating is NOT available for cooling only air conditioner.

JET mode

- JET mode is used to start or stop fast cooling. Fast cooling operates at high fan speed, changing the set temperature automatically to 18°C.
- **JET** mode can be set when the appliance is in operation.
- In **JET** mode, you can set airflow direction or timer. If you want to quit from JET mode, press any - JET , MODE, FAN, ON/OFF or TEMPERATURE SETTING button, the display will return to the original mode.

Note:

- SLEEP and 6th Sense buttons are not available in JET mode.
- JET button is ineffective in HEATING mode.
- The appliance will continue working in JET mode with set temperature of 18°C if you don't quit from it by pressing any of the buttons mentioned above.

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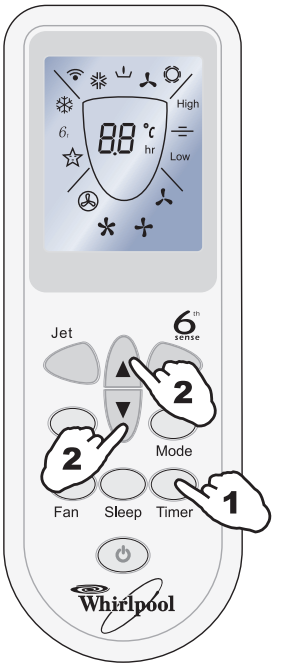
Timer function
It is convenient to set the timer on by pressing the button to achieve a comfortable room temperature at the time you get home.
You can also set timer off automatically to enjoy a good sleep at night.

Timer-setting
Set the timer when the appliance is off.

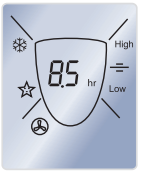
Switch-off timer during operation.

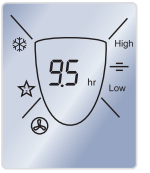
A - As time goes by, LCD on remote control only displays the remaining time not the set temperature.
B - The previous set time is stored and the next set time begins with the previous setting.
C - On- timer and Off-timer cannot be set at the same time.
D - The room may not reach your desired temperature within the preset time this depends on the size of the room.

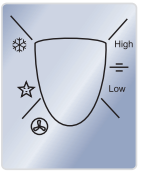


Example: setting the next operation after 9.5 hours

1. Set desired operating mode, temperature and indoor fan speed, then press the TIMER button; "h" flashes on display.
2. Point the remote control at the signal receptor of the indoor unit, press the ▲ or ▼ button when "h" flashes. Choose the time you desire, then press the TIMER button, a "beep" can be heard.
   A - Timer indicator on the indoor unit lights up.
   B - "h" stops flashing.
   Press the TIMER button, "h" flashes on the display, then you can set the time.
   Each time the ▲ or ▼ button is pressed,
   If the desired time is within 10 hours, the set time increases or decreases by 0.5 hour;
   If desired time is beyond 10 hours, increases or decreases by 1 hour.
   The range can be set is 0.5 hour to 24 hours.
3. To cancel the set timer: press the **TIMER** button again, a "beep" can be heard and the timer indicator on the indoor unit lights off.







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MAINTENANCE

Unit

1. **Unplug from the power supply**
   Turn off the appliance first before disconnecting from power supply.
2. **To remove the front panel pull it outwards (Fig. A).**
3. **Wipe with a soft and dry cloth.**
   Use lukewarm water (below 40°C) to clean if the appliance is very dirty.
4. **Never use substances such as gasoline or polishing powder to clean the appliance.**
5. **Never sprinkle water onto the indoor unit**
   Dangerous! Electric shock!
6. **Refit and close the front panel (Fig. B).**
   Refit and close the front panel by pushing it downward.

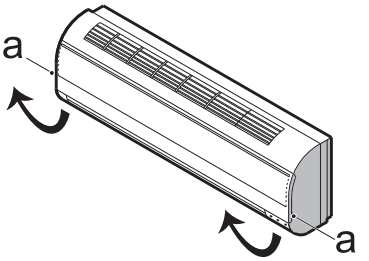


Fig. A

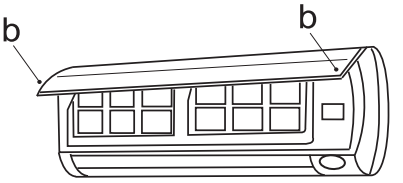
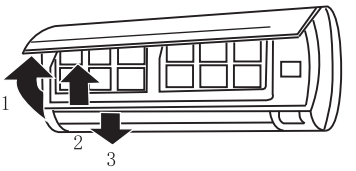


Fig. B

Air filter

It is necessary to clean the air filter after using it for about 100 hours.
Clean the air filter every two weeks if the air conditioner operates in an extremely dusty environment.

1. **Unplug from the power supply**
   Turn off the appliance first before disconnecting from power supply and remove the air filter.
   1. Open the front panel.
   2. Press the handle of the filter gently.
   3. Slide out the filter.
2. **Cleaning and refitting the air filter.**
   If the filter is very dirty, clean it with a solution of lukewarm water and neutral detergent.
   After cleaning let it dry.
3. **Close the front panel.**



PROTECTION

Operating condition

The protective device maybe trip and stop the appliance in the cases listed below.

HEATING	Outdoor air temperature is over 24°C
	Outdoor air temperature is below -7°C
	Room temperature is over 27°C
COOLING	Outdoor air temperature is over *43°C
	Room temperature is below 21°C
DRY	Room temperature is below 18°C

*For Tropical (T3) Climate condition models, the temperature point is 52°C instead of 43°C.
If the air conditioner runs in COOLING or DRY mode with door or window opened for a long time when relative humidity is above 80%, dew may drip down from the outlet.

Noise pollution

- Install the air conditioner at a place that can bear its weight in order to operate more quietly.

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- Install the outdoor unit at a place where the air discharged and the operation noise would not annoy your neighbours.
- Do not place any obstacles in front of the air outlet of the outdoor unit lest it increases the noise level.

Features of protection device

1. **Protection device**
   Wait at least 3 minutes before restarting the unit after operation stops or changing mode during operation.
   After connecting to power supply and turning on the appliance immediately, a delay of 20 seconds may occur before it starts to operate.
2. If all operation has stopped, press **ON/OFF** button again to restart. Timer should be set again if it has been cancelled.

Features of HEATING mode

Preheating

2-5 minutes are necessary to preheat the indoor unit at HEATING operation start.

Defrosting (out door unit)

In **HEATING** operation the appliance will defrost (de-ice) automatically to raise efficiency.
This procedure usually lasts 2-10 minutes. During defrosting, fan stops operation.
After defrosting completes, it returns to **HEATING** mode automatically.
Note: Heating is NOT available for cooling only air conditioner models.

TROUBLESHOOTING

Operation problems are often due to minor causes that can be found and fixed without using any tools:

Trouble	Analysis
Does not run	• Is the protection device or fuse blown? • Please wait for 3 minutes and start again, protection device may be preventing unit to work. • Are the RC batteries low? • Is the plug not properly plugged?
No cooling or heating air	• Is the air filter dirty? • Are the intakes and outlets of the air conditioner blocked? • Is the temperature set properly?
Ineffective control	• Has there been a strong interference (from excessive static electricity discharge, power supply voltage abnormality)? Note that operation will be abnormal, in this case unplug from the power supply and re-plug after 2-3 seconds.
Does not operate immediately	• 3 minute delay will occur when changing mode during operation.
Peculiar smell	• This smell may come from another source such as furniture, cigarette etc, which is sucked in the unit and blown out with the air.
A sound of running water	• Normal behaviour caused by the flow of refrigerant in the air conditioner. • Defrosting sound in heating mode.
Cracking sound	• The sound may be generated by the expansion or contraction of the front panel due to temperature changes.
Mist sprays from the outlet	• Mist is present in the room with low temperature? Normal behaviour due to cool air discharged from indoor unit during **COOLING** or **DRY** operation mode.

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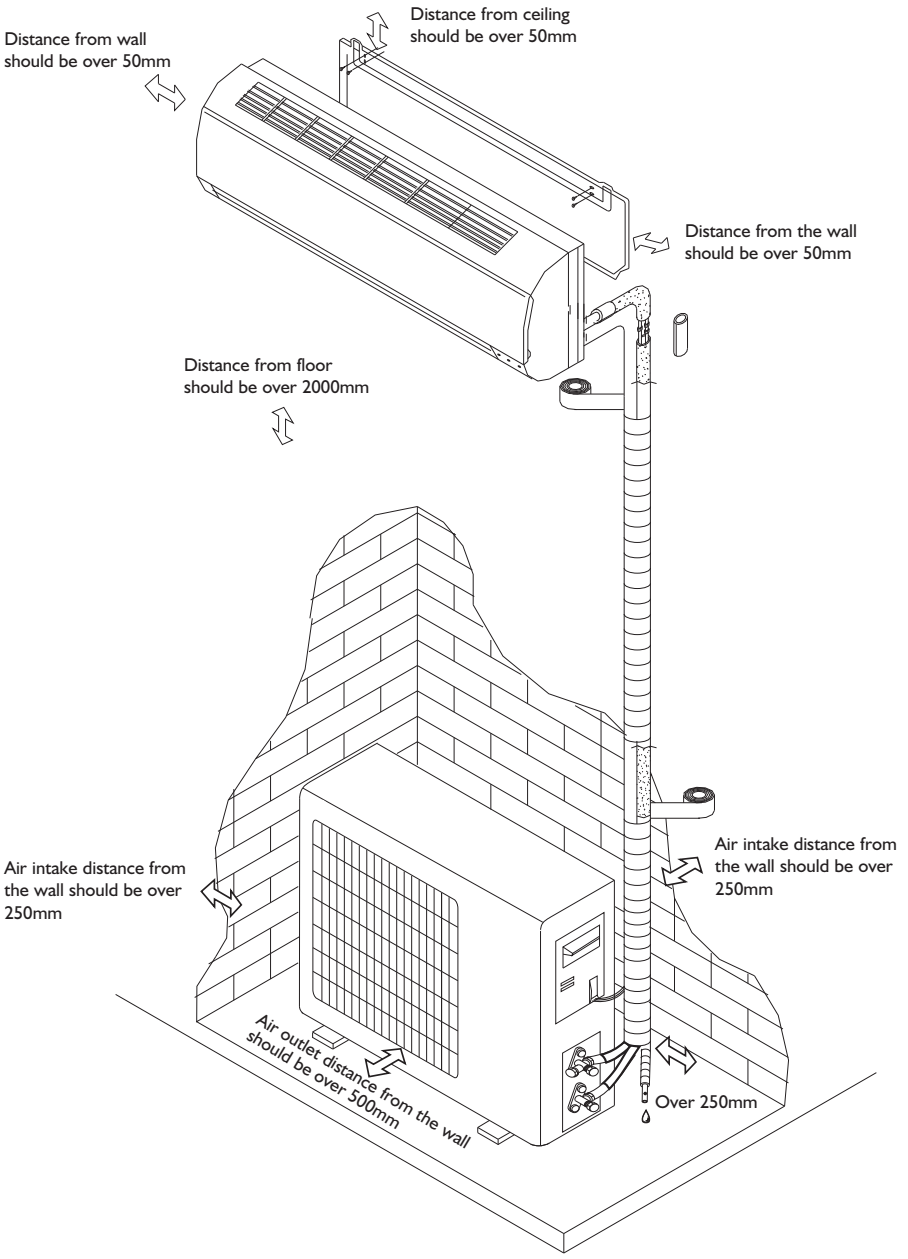
INSTALLATION INSTRUCTIONS

Installation diagram



NOTE: The figure above is only a simple presentation of the unit, it may not match the external appearance of the product you purchased. Installation must be performed in accordance with the national wiring standards by authorized service people only.

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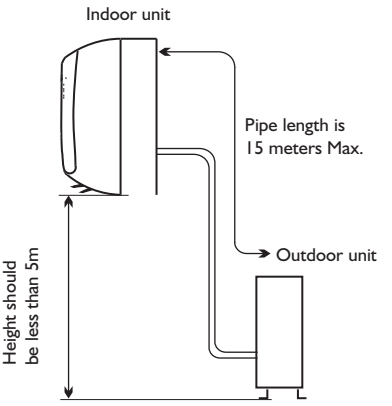
Select the best location

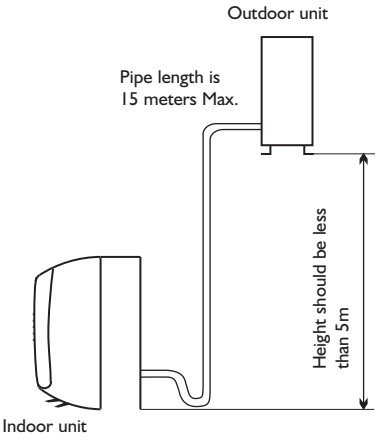
Location for Installing Indoor Unit

- Where there is no obstacle near the air outlet and air can be easily blown to every corner.
- Where piping and wall hole can be easily arranged.
- Observe the required distance from ceiling and wall according to the wiring diagram.
- Where the air filter can easily be removed.
- Keep the unit and remote control 1m or more from television, radio etc.
- To prevent the effects of a fluorescent lamp, keep the unit as far as possible from it.
- Do not put anything near the air inlet that could obstruct it.
- In a place that can bear the weight and will not increase operating noise and vibrations.



Location for Installing Outdoor Unit

- Install in a convenient and well-ventilated place.
- Avoid installing it where flammable gas could leak.
- Observe the required distance from the wall.
- The distance between Indoor and outdoor unit should be 5 meters and can go up to maximum 15 meters with additional refrigerant charge.
- Do not install the outdoor unit in a dirty or greasy place, near a vulcanization gas exit.
- Avoid installing it at the roadside where it could be soiled with muddy water.
- A fixed base where operating noise will not increase.
- Where the air outlet is not obstructed.



Model	Max. Allowable Tubing Length at Shipment (m)	Limit of Tubing Length (m)	Limit of Elevation Difference H (m)	Required amount of additional refrigerant (g/m)
7K~24K	5	15	5	20

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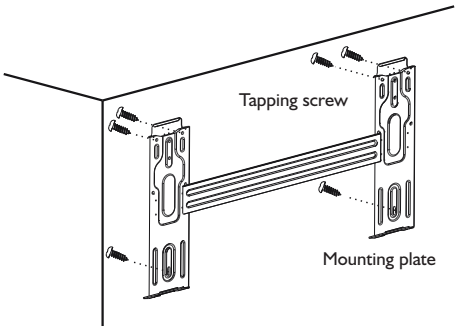
INDOOR UNIT INSTALLATION

1. Installing the Mounting Plate

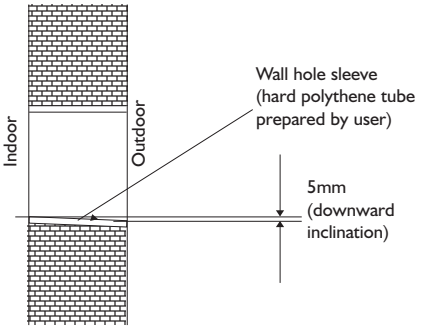
- Select a location to install the mounting plate according to the indoor unit location and piping direction.
- Adjust the mounting plate horizontally with a horizontal ruler or plumb line.
- Drill holes 32mm in deep on the wall to fix the plate.
- Insert the plastic plugs in the hole, then fix the mounting plate with tapping screws.
- Check that the mounting plate is well fixed. Then drill a hole for piping.



NOTE: The shape of your mounting plate may be different from the one above, but installation method is similar.

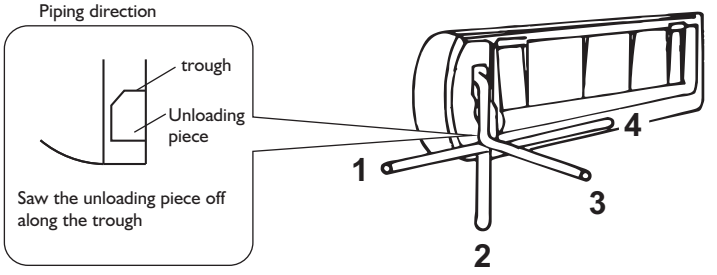
2. Drill a Hole for Piping

- Decide the position of the hole for piping according to the location of mounting plate.
- Drill a hole on the wall. The hole should slightly be inclined downward toward outside.
- Install a sleeve through the wall hole to keep the wall tidy and clean.



3. Indoor Unit Piping Installation

- Fit the piping (liquid and gas pipe) and cables through the wall hole from outside or fit them from inside after completing indoor piping and cables connections so as to connect to outdoor unit.
- Decide whether saw off the plastic part in accordance with the piping direction (as shown below).



NOTE:

When fixing the pipe along directions 1, 2 or 4, saw the corresponding plastic part off the indoor unit base.

- After connecting the piping as required, install the drain hose. Then connect the power cords. After connecting, wrap the piping, cords and drain hose together with thermal insulating materials.

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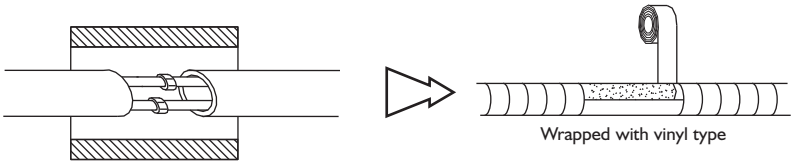
IMPORTANT:
Piping Joints Thermal Insulation:
Wrap the piping joints with thermal insulating materials and then wrap with a vinyl tape.

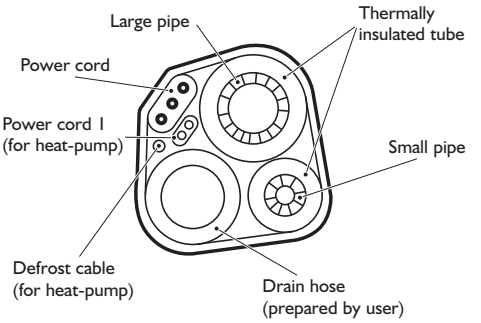


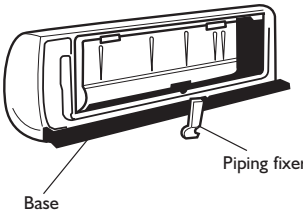
Thermal Insulation piping:

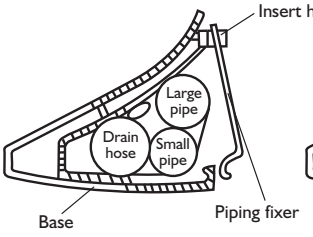
a. Place the drain hose under the piping.
b. Insulation material: polythene foam over 6mm in thickness.

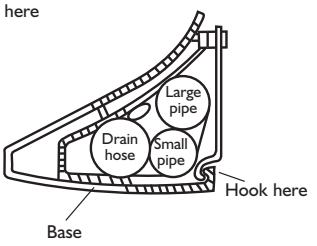
NOTE: Drain hose is prepared by user.

- Drain pipe should point downward for easy drain flow.
  Do not twist the drain pipe, leave it sticking out or waving around, do not immerse the end in water.
  If an extension drain hose is connected to the drain pipe, make sure to be thermally insulated when passing it through the indoor unit.
- When the piping is directed to the right, piping, power cord and drain pipe should be thermally insulated and fixed at the rear of the unit with a piping fixer.









A. Insert the pipe fixer to the slot.
B. Press to hook the pipe fixer onto the base.

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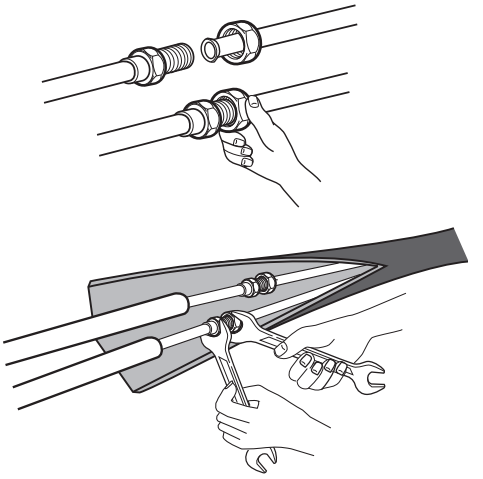
Piping Connection:

a. Connect indoor unit pipes with two wrenches. Pay special attention to the torque allowed as shown below to prevent the pipes, connectors and flare nuts from being deformed and damaged.

b. At first fingers-tighten them, then use the wrenches.



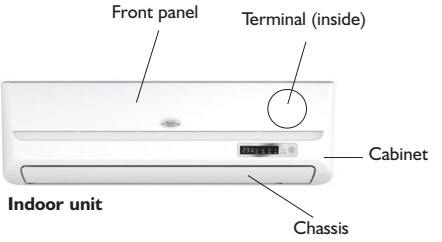
Model	Pipe size	Torque	Nut width	Min. thickness
7,9,12,18K	Liquid Side (1/4 inch)	1.8kg.m	17mm	0.6mm
24K	Liquid Side (3/8 inch)	3.5kg.m	22mm	0.6mm
7,9k	Gas Side (3/8 inch)	3.5kg.m	22mm	0.6mm
12k	Gas Side (1/2 inch)	5.5kg.m	24mm	0.6mm
18K.24K	Gas Side (5/8 inch)	7.5kg.m	27mm	0.6mm

4. Connecting the Cable

- **Indoor Unit**

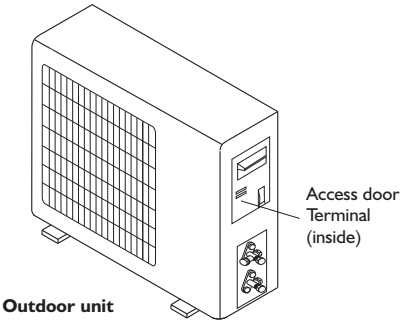
  Connect the power connecting cord to the indoor unit by connecting the wires to the terminals on the control board individually in accordance with the outdoor unit connection.

NOTE: (depending on the model)
It is necessary to remove the cabinet to perform connections with the indoor unit terminal.



- **Outdoor Unit**

  1) Remove the access door from the unit by loosening the screw. Connect the wires to the terminals on the control board individually as follows.
  2) Secure the power connecting cord on the control board with cable clamp.
  3) Refit the access door in the original position and tighten the screw.
  4) Use a recognized circuit breaker for 24K model between the power source and the unit. A disconnecting device to adequately disconnect all supply lines must be fitted.



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CAUTION:

1. Use an individual power circuit specifically for the air conditioner. As for the wiring method, refer to the circuit diagram on the inside of the access door .
2. Check that the cable thickness conforms to the power source specification.
3. Check the wires and make sure that they are all tightly fastened after cable connection.
4. Be sure to install an earth leakage circuit breaker in a wet or moist area.

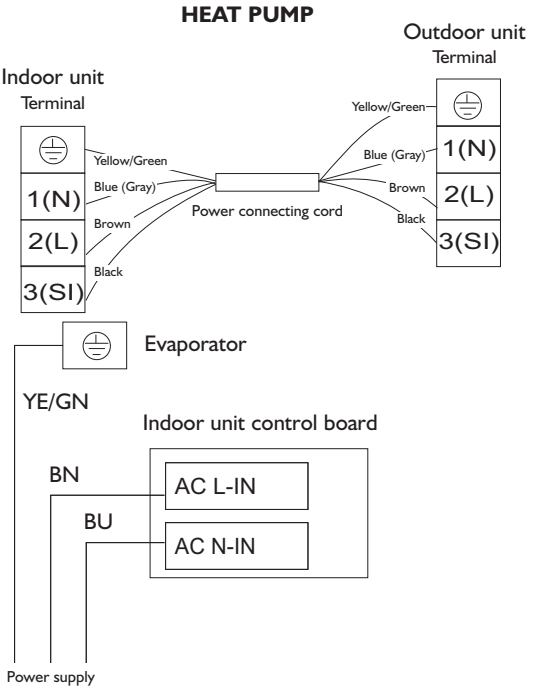
Cable Specifications

Capacity (Btu/h)	Power cord		Power connecting cord		Power connecting cord 1		Main power supply (Note)
	Type	Normal cross - sectional area	Type	Normal cross - sectional area	Type	Normal cross - sectional area	
7K,9K,12K	H05VV-F	1.0~1.5mm² X3	H07RN-F	1.0~1.5mm²X3	H05RN-F	0.75mm²X2 (Heat-pump)	To indoor
18K	H05VV-F RVV	1.5~2.0mm² X3	H07RN-F	1.5mm²X3	H05RN-F	0.75mm²X2 (Heat-pump)	To indoor
24K	H07RN-F	2.5mm² X3	H07RN-F	1.5mm²X3(Heat-pump) 1.5mm²X4(Cooling-only)	H05RN-F	0.75mm²X3 (Heat-pump)	To outdoor

WIRING DIAGRAM

Make sure that the colour of wires of the outdoor unit and the terminal number are the same as those of the indoor unit.

- **Power supply from Indoor unit, including 7K,9K,12K, Model**



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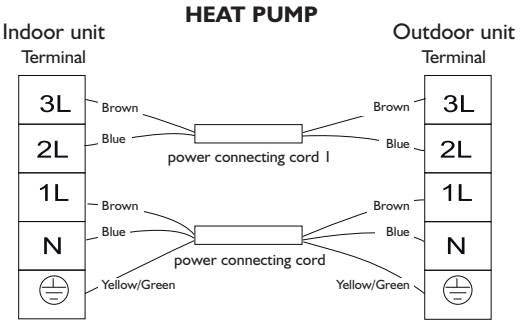
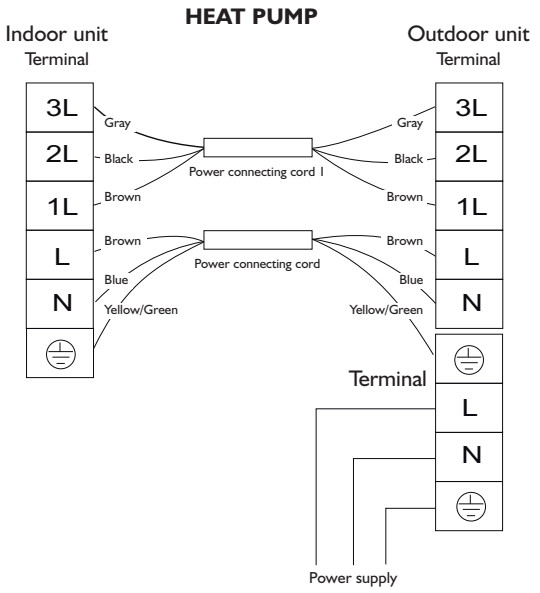
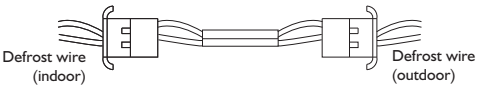
- **Power supply from Indoor unit, including 18K Model**



- **Power supply from outdoor unit, including 24K Model**
  For these models, the power supply is connected from outdoor unit, with a circuit breaker.



- **Defrost Cable (for heat-pump air conditioner only, and it's an optional part)**



Defrost cable (for heat pump models only)

After connection, the defrost wire should be well wrapped with a wrapping tape and the connector should be put inside the unit.

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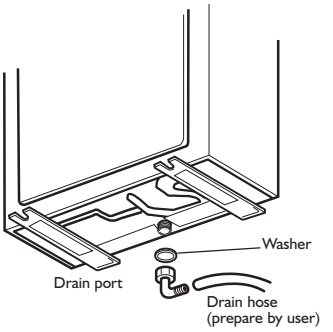
OUTDOOR UNIT INSTALLATION

1. **Install Drain Port and Drain Hose (for heat-pump model only)**
   The condensate drains from the outdoor unit when the unit operates in heating mode. In order not to disturb your neighbours and protect the environment, install a drain port and a drain hose to direct the condensate water. Just install the drain port and rubber washer on the chassis of the outdoor unit, then connect a drain hose to the port as shown in the figure on the right .

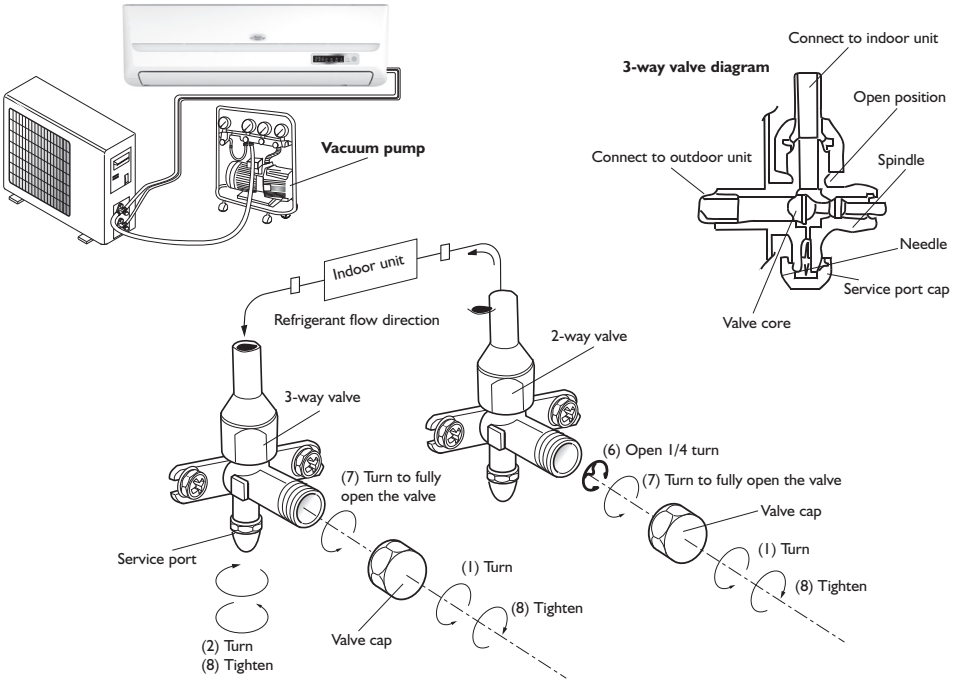


2. **Install and Fix Outdoor Unit**
   Fix with bolts and nuts tightly on a flat and strong floor.
   If installed on the wall or roof, make sure to fix the supporter well to prevent it from shaking due to serious vibration or strong wind.
3. **Outdoor Unit Piping Connection**
   - Remove the valve caps from the 2-way and 3-way valve.
   - Connect the pipes to the 2-way and 3-way valves separately according to the required torque.
4. **Outdoor Unit Cable Connection (see previous page)**

Air purging

Air containing moisture remaining in the refrigeration cycle may cause a malfunction on the compressor. After connecting the indoor and outdoor units, evacuate air and moisture from refrigerant cycle using a vacuum pump, as shown below.

Note: Because the system pressure is high and also to protect the environment, be sure not to discharge the refrigerant to the air directly.



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How to Purge Air Tubes:
(1). Unscrew and remove caps from 2 and 3-way valves.
(2). Unscrew and remove cap from service valve.
(3). Connect vacuum pump flexible hose to the service valve.
(4). Start vacuum pump for 10-15 minutes until it reaches an absolute vacuum of 10 mm Hg.
(5). With vacuum pump still running close the low pressure knob on vacuum pump manifold. Then stop vacuum pump.
(6). Open 2-way valve 1/4 turn, then close it after 10 seconds. Check tightness of all joints using liquid soap or an electronic leak detector.
(7). Turn 2 and 3-way valves stem. Disconnect vacuum pump flexible hose.
(8). Replace and tighten all valve caps.

NOTES:

- Please read this manual carefully before installing and using the appliance.
- Do not let air enter the refrigeration system or discharge refrigerant when moving the air conditioner.
- Earth the air conditioner properly.
- Check the connecting cables and pipes carefully, make sure they are correct and firm before connecting the power of the air conditioner.
- There must be an air-break switch.
- After installing, the consumer must operate the air conditioner correctly according to this manual, keep a suitable storage for maintenance and move of the air conditioner in the future.
- Type of fuse used on indoor unit controller is Φ 5x20, with rating 2.5A/250V or 3.15A/250V.
- Caution: Mount with the lowest moving parts of indoor unit at Least 2.4m above floor or grade Level.
- Risk of electric shock can cause injury or death: Disconnect all Remote electric power supplies before servicing.
- When charging refrigerant into the system, make sure to change in liquid state, if refrigerant of the appliance is R410a. Otherwise, chemical composition of refrigerant (R410a) inside the system may change and thus affect performance of the air conditioner.
- According to the character of refrigerant (R410a), the pressure of the tube is very high, so be sure to careful when you install and repair the appliance.

- **If the supply cord is damaged, it must be replaced by the manufacturers After-Sales Service or a qualified technician in order to avoid a hazard.**

- **The air conditioner must be installed by professional engineer.**

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